

This listing of claims replaces all prior versions, and listings of claims in the instant application:

Listing of Claims:

1. (Currently amended) An image sensor package comprising:
 - a transparent substrate comprising a base surface and a pocket sidewall;
 - a trace coupled to said base surface;
 - an image sensor comprising a first surface comprising an active area and a bond pad; and
 - a bump coupling said bond pad to said trace, wherein said image sensor is located within an image sensor pocket of said transparent substrate defined by said base surface and said pocket sidewall; and
 - a bead forming a seal between a periphery of said image sensor and said base surface, wherein said image sensor, said bead, and said base surface define a cavity, said active area being located within said cavity.
2. (Original) The image sensor package of Claim 1 wherein said transparent substrate further comprises a rear surface, said pocket sidewall extending between said base surface and said rear surface, wherein said trace extends from said base surface, along said pocket sidewall, and to said rear surface.
3. (Original) The image sensor package of Claim 2 wherein said trace comprises:
 - a first portion extending along said base surface to said pocket sidewall;
 - a second portion extending along said pocket sidewall from said base surface to said rear surface; and
 - a third portion extending along said rear surface.

4. (Original) The image sensor package of Claim 3 wherein said first portion, said second portion, and said third portion are integral.

5. (Original) The image sensor package of Claim 3 further comprising an interconnection ball coupled to said third portion.

6. (Original) The image sensor package of Claim 3 further comprising a pad coupled to said third portion.

7. (Original) The image sensor package of Claim 2 wherein said image sensor is entirely within said image sensor pocket.

8. (Original) The image sensor package of Claim 7 wherein said image sensor comprises a second surface below said rear surface of said transparent substrate.

9. (Currently amended) An image sensor package comprising:

a transparent substrate comprising:

a base surface;

a pocket sidewall; and

a rear surface, said pocket sidewall extending between said base surface and said rear surface;

a trace coupled to said base surface, wherein said trace extends from said base surface, along said pocket sidewall, and to said rear surface;

an image sensor comprising:

a first surface comprising an active area and a bond pad; and

~~The image sensor package of Claim 2 wherein said image sensor comprises a second surface coplanar with said rear surface of said transparent substrate; and a bump coupling said bond pad to said trace, wherein said image sensor is located within an image sensor pocket of said transparent substrate defined by said base surface and said pocket sidewall.~~

10. (Currently amended) An image sensor package comprising:

a transparent substrate comprising:

a base surface;

a pocket sidewall; and

a rear surface, said pocket sidewall extending between said base surface and said rear surface;

a trace coupled to said base surface, wherein said trace extends from said base surface, along said pocket sidewall, and to said rear surface;

an image sensor comprising:

a first surface comprising an active area and a bond pad; and

~~The image sensor package of Claim 2 wherein said image sensor comprises a second surface above said rear surface of said transparent substrate; and a bump coupling said bond pad to said trace, wherein said image sensor is located within an image sensor pocket of said transparent substrate defined by said base surface and said pocket sidewall.~~

11-12. (Canceled)

13. (Currently amended) The image sensor package of Claim 1 further comprising an underfill filling a region

between said first surface of said image sensor and said base surface.

14. (Original) The image sensor package of Claim 13 wherein said underfill contacts and protects said active area.

15-20. (Canceled)

21. (Currently amended) An image sensor package comprising:

a transparent substrate comprising:

a base;

a pocket ring coupled to said base; and

an image sensor comprising a first surface comprising an active area and a bond pad, wherein said image sensor is located within an image sensor pocket of said transparent substrate; and

a bead forming a seal between a periphery of said image sensor and said base, wherein said image sensor, said bead, and said base define a cavity, said active area being located within said cavity.

22. (Previously presented) The image sensor package of Claim 21 wherein said base comprises a rectangular piece.

23. (Previously presented) The image sensor package of Claim 21 wherein said pocket ring comprises a rectangular annulus.

24. (Previously presented) The image sensor package of Claim 21 wherein said pocket ring is glued to said base.

25. (Previously presented) The image sensor package of Claim 21 wherein said pocket ring is laminated to said base.

Amendments to the Drawings:

The attached four replacement sheets of formal drawings includes changes to FIGS. 5, 6, 7, 10, and 11.

In FIGS. 5 and 7, the second element "112A" near the bottom and slightly right of center has been amended to recite --112-- for consistency with the other figures and to secure correspondence with the specification.

In FIG. 6, the previously omitted element --112-- has been added near the top and slightly left of center for consistency with the other figures and to secure correspondence with the specification.

In FIG. 10, the bead 118 has been corrected and the previously omitted element --118-- has been added for consistency with FIG. 9 and to secure correspondence with the specification.

In FIG. 11, shading for the element 302 has been added in accordance with USPTO drafting guidelines and for consistency with the other drawings.

The four replacement sheets, which include FIGS. 5, 6, FIG. 7, FIGS. 9, 10; and FIG. 11 replace the respective sheets of Formal Drawings filed on April 12, 2002, which included FIGS. 5, 6, FIG. 7, FIGS. 9, 10; and FIG. 11.

Attachments: Four replacement Sheets